

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>12</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2063_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA maintains a copy of the O&M manual on file at district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>15</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2063_01_f_2014_15				
Comment Code					
Inspector Comment					
The LMA maintains adequate flood fight supplies and equipment.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				
DWR ID	DWR_RD2063_01_s_2013_21				
Comment Code					
Inspector Comment					
The LMA is prepared for flood response, but has not been involved in flood fight training for several years.					

No Photos

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>10.44</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.478687 °	37.390466 °
				-121.044645 °	-121.941191 °
DWR ID	DWR_RD2063_01_s_2018_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>10.44</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.478687 °	37.390466 °
				-121.044645 °	-121.941191 °
DWR ID	DWR_RD2063_01_s_2018_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	<b>1.32</b>	Rating **	A/W	Issue No.	<b>61</b>
LM End	<b>1.32</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.464357 °	37.464357 °	
			-121.032670 °	-121.032670 °	
DWR ID					

Comment Code

Inspector Comment

FS\_ID:50218  
DS\_ID:22076  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during the inspection. (P. Amatya - DWR)  
FIELD\_STRUCT\_DESC: [Lateral Drain No. 5] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)].  
FS Date: 11/5/2013

LM Start	<b>1.32</b>	Rating **	A/W	Issue No.	<b>61 (cont)</b>
LM End	<b>1.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_50218\_43204.jpg



WS view: two outfall CMP pipes on levee slope.

Photo 2 of 3 : UCIP\_SP\_2018\_50218\_43203.jpg



WS view: two outfall CMP pipes with flap gates on concrete headwall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.32	Rating **	A/W	Issue No.	61 (cont)
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.464357 °	37.464357 °
				-121.032670 °	-121.032670 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50218 DS_ID:22076 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during the inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: [Lateral Drain No. 5] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)]. FS Date: 11/5/2013					

Photo 3 of 3 : UCIP\_SP\_2018\_50218\_43202.jpg



WS view: two slide gates in CMP risers on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.32	Rating **	A/W	Issue No.	62
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.464335 °	37.464335 °
				-121.032664 °	-121.032664 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50217  
DS\_ID:22119  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during field inspection. (P. Amatya - DWR)  
FIELD\_STRUCT\_DESC: [Lateral Drain No. 5] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)].  
FS Date: 11/5/2013

LM Start	<b>1.32</b>	Rating **	A/W	Issue No.	<b>62 (cont)</b>
LM End	<b>1.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_50217\_43217.jpg



WS view: two CMP risers with slide gates on levee slope.

Photo 2 of 3 : UCIP\_SP\_2018\_50217\_43216.jpg



WS view: two CMP outfall pipes with flap gates on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.32	Rating **	A/W	Issue No.	62 (cont)	
LM End	1.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.464335 °	37.464335 °	
				-121.032664 °	-121.032664 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50217						
DS_ID:22119						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during field inspection. (P. Amatya - DWR)						
FIELD_STRUCT_DESC: [Lateral Drain No. 5] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)].						
FS Date: 11/5/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_50217\_43215.jpg



WS view: front view of two CMP outfall pipes with flap gates on levee slope.

LM Start	1.83	Rating **	A/W	Issue No.	59
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.457653 °	37.456258 °
				-121.033728 °	-121.033645 °
DWR ID	DWR_RD2063_01_s_2017_59				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Minor erosion at waterward slope was repaired.					

Photo 1 of 4 : SP\_2018\_RD2063\_112\_59\_20180307\_00011.jpg



Looking downstream at minor erosion on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.27	Rating **	A/W	Issue No.	64 (cont)	
LM End	2.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.451946 °		37.451946 °
				-121.030672 °		-121.030672 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51823						
DS_ID:22081						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: - concrete standpipe on waterside toe.- concrete distribution box on landside.- an alfalfa valve on waterside toe.						
FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a concrete distribution box on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.29)].						
FS Date: 11/5/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_51823\_43346.jpg



LS view: slide gate in concrete distribution box.

LM Start	2.59	Rating **	M	Issue No.	43
LM End	2.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.448579 °	37.448579 °
				-121.026752 °	-121.026752 °
DWR ID	DWR_RD2063_01_s_2018_43				
Comment Code					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.62	Rating **	M	Issue No.	67
LM End	2.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.448233 °	37.448233 °
				-121.026521 °	-121.026521 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24435					
DS_ID:22086					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Both pipe ends 70 ft off the levee center.Cleaning and cleaning of inlet/outlet pipe needed.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.65)].					
FS Date: 11/5/2013					

LM Start	<b>2.62</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>2.62</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_24435\_43484.jpg



WS view: U shaped headwall outlet structure 70 ft off the levee center.

Photo 2 of 3 : UCIP\_SP\_2018\_24435\_43483.jpg



WS view: U shaped headwall outlet structure and pipe with flap gate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.62	Rating **	M	Issue No.	67 (cont)	
LM End	2.62	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.448233 °	37.448233 °	
				-121.026521 °	-121.026521 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24435 DS_ID:22086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Both pipe ends 70 ft off the levee center.Clearing and cleaning of inlet/outlet pipe needed. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.65)]. FS Date: 11/5/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_24435\_43482.jpg



LS view: concrete headwall with CMP 70 ft off the levee center.

LM Start	2.68	Rating **	A/W	Issue No.	68
LM End	2.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.447475 °	37.447475 °
				-121.026017 °	-121.026017 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25023					
DS_ID:22087					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Both pipe ends about 85 feet off the levee center.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe					
through the levee, 20.3 feet below the crown. Flap gate on the					
waterside (WS) end. Concrete headwall on each end. Installed by					
USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992.					
USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.71)].					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_25023\_45102.jpg



WS view: U typed concrete headwall on river bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.68	Rating **	A/W	Issue No.	68 (cont)	
LM End	2.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.447475 °	37.447475 °	
				-121.026017 °	-121.026017 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25023						
DS_ID:22087						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Both pipe ends about 85 feet off the levee center.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 20.3 feet below the crown. Flap gate on the						
waterside (WS) end. Concrete headwall on each end. Installed by						
USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992.						
USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.71)].						
FS Date: 11/5/2013						

Photo 2 of 3 : UCIP\_SP\_2018\_25023\_45101.jpg



WS view: pipe, flap gate, and concrete headwall on river bank.

LM Start	<b>2.68</b>	Rating **	A/W	Issue No.	<b>68 (cont)</b>
LM End	<b>2.68</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_25023\_45100.jpg



LS view: pipe and concrete headwall off the levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	3.29	Rating **	M	Issue No.	70 (cont)	
LM End	3.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.441213 °	37.441213 °	
				-121.021130 °	-121.021130 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24469						
DS_ID:22089						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - cleaning required in inlet pipe.- new flap gate						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal						
gravity drainage pipe through the levee, 12.5 feet below the crown. Flap						
gate on the waterside (WS) end. Concrete headwall on each end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 6, September 1961, (HLM 3.33)].						
FS Date: 11/5/2013						

LM Start	<b>3.29</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>3.29</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_24469\_43644.jpg



WS view: new flap gate, and U typed concrete headwall.

Photo 3 of 3 : UCIP\_SP\_2018\_24469\_43643.jpg



LS view: CM pipe and concrete headwall on levee slope. Debris blocking inlet pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	3.64	Rating **	M	Issue No.	71
LM End	3.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.436845 °	37.436845 °
				-121.017826 °	-121.017826 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24485					
DS_ID:22093					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - new flap gate on waterside.- cleaning and clearing of inlet box needed.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete saddle on the waterside (WS) end. Concrete drop inlet box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.69)].					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_24485\_43667.jpg



WS view: pipe, flap gate, and concrete saddle on levee slope

LM Start	<b>3.64</b>	Rating **	M	Issue No.	<b>71 (cont)</b>
LM End	<b>3.64</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_24485\_43666.jpg



LS view: concrete drop inlet box on levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	3.64	Rating **	M	Issue No.	71 (cont)	
LM End	3.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.436845 °	37.436845 °	
				-121.017826 °	-121.017826 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24485						
DS_ID:22093						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - new flap gate on waterside.- cleaning and clearing of inlet box needed.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete saddle on the waterside (WS) end. Concrete drop inlet box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.69)].						
FS Date: 11/5/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_24485\_43665.jpg



LS view: inside view of inlet box on levee toe. Debris blocking inlet pipe.

LM Start	3.65	Rating **	C	Issue No.	55
LM End	3.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.436759 °	37.436759 °
				-121.017744 °	-121.017744 °
DWR ID	DWR_RD2063_01_f_2017_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation at the landside toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.02	Rating **	A/W	Issue No.	72
LM End	4.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.432813 °	37.432813 °
				-121.013419 °	-121.013419 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:51821  
DS\_ID:22096  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 05/11/2017 Review of photos indicate less than 1/4 of the inlet is silted in. Since the pipe is in good condition, it has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)11/05/2013:- new flap gate on waterside.- cleaning of outlet and inlet pipes required. (P. Amatya - DWR)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.08)].  
FS Date: 11/5/2013

LM Start	<b>4.02</b>	Rating **	A/W	Issue No.	<b>72 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_51821\_43842.jpg



WS view: pipe, flap gate, and concrete headwall on drainage ditch.

Photo 2 of 3 : UCIP\_SP\_2018\_51821\_43841.jpg



LS view: CM pipe and concrete headwall on levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.02	Rating **	A/W	Issue No.	72 (cont)	
LM End	4.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.432813 °		37.432813 °
				-121.013419 °		-121.013419 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51821 DS_ID:22096 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/11/2017 Review of photos indicate less than 1/4 of the inlet is silted in. Since the pipe is in good condition, it has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)11/05/2013:- new flap gate on waterside.- cleaning of outlet and inlet pipes required. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.08)]. FS Date: 11/5/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_51821\_43840.jpg



LS view: inside view of the CM pipe on levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.17	Rating **	A/W	Issue No.	75
LM End	4.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.431005 °	37.431005 °
				-121.011843 °	-121.011843 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:24603  
DS\_ID:22100  
EP\_NO: 6721  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: - Overhead power line.- looks new inlet pipes in pumphouse.  
FIELD\_STRUCT\_DESC: [Vivian Slough Pumping Plant] 1 of 3: 18-inch steel drainage discharge pipe through the levee, 2 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063). [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced].  
FS Date: 11/6/2013

LM Start	<b>4.17</b>	Rating **	A/W	Issue No.	<b>75 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_24603\_43860.jpg



LS view: walkway to pump, pump house (right), and pipes on levee

Photo 2 of 3 : UCIP\_SP\_2018\_24603\_43862.jpg



LS view: pipes (18" pipe - left, 20" pipe- right) under walkway and pump house on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.17	Rating **	A/W	Issue No.	75 (cont)
LM End	4.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.431005 °	37.431005 °
				-121.011843 °	-121.011843 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:24603  
 DS\_ID:22100  
 EP\_NO: 6721  
 Repair Type: No Action Needed  
 Crossing Status: Found  
 UCIP Comments: - Overhead power line.- looks new inlet pipes in pumphouse.  
 FIELD\_STRUCT\_DESC: [Vivian Slough Pumping Plant] 1 of 3: 18-inch steel drainage discharge pipe through the levee, 2 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063). [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced].  
 FS Date: 11/6/2013

Photo 3 of 3 : UCIP\_SP\_2018\_24603\_43861.jpg



LS view: intake sump under pump house, and pipes in drainage ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.17	Rating **	A/W	Issue No.	76
LM End	4.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.431003 °	37.431003 °
				-121.011834 °	-121.011834 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:25026  
DS\_ID:22120  
EP\_NO: 6721  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: New intake pipe to pump. Pump house on concrete sump in drainage ditch.  
FIELD\_STRUCT\_DESC: [Vivian Slough Pumping Plant] 2 of 3: 20-inch steel drainage discharge pipe through the levee, 2 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063). [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced].  
FS Date: 11/6/2013

LM Start	<b>4.17</b>	Rating **	A/W	Issue No.	<b>76 (cont)</b>
LM End	<b>4.17</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_25026\_45115.jpg



WS view: air vents (red) on levee slope.

Photo 2 of 3 : UCIP\_SP\_2018\_25026\_45114.jpg



WS view: discharge pipes end on levee toe. No flap gates on right 3 pipes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.18	Rating **	A/W	Issue No.	77
LM End	4.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.430990 °	37.430990 °
				-121.011814 °	-121.011814 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:25027  
DS\_ID:22121  
EP\_NO: 6721  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: - new intake pipe to the pump.- overhead power line.  
FIELD\_STRUCT\_DESC: [Vivian Slough Pumping Plant] 3 of 3: 16-inch steel drainage discharge pipe through the levee, 3.6 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063). [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced].  
FS Date: 11/6/2013

LM Start	<b>4.18</b>	Rating **	A/W	Issue No.	<b>77 (cont)</b>
LM End	<b>4.18</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_25027\_45120.jpg



LS view: walkway to pump and pump house on levee slope.

Photo 2 of 3 : UCIP\_SP\_2018\_25027\_45119.jpg



LS view: walkway to pump and pipe (right) on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.18	Rating **	A/W	Issue No.	77 (cont)	
LM End	4.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.430990 °	37.430990 °	
				-121.011814 °	-121.011814 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25027 DS_ID:22121 EP_NO: 6721 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - new intake pipe to the pump.- overhead power line. FIELD_STRUCT_DESC: [Vivian Slough Pumping Plant] 3 of 3: 16-inch steel drainage discharge pipe through the levee, 3.6 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063). [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_25027\_45118.jpg



LS view: intake pipes and pump house on concrete sump in drainage ditch.

LM Start	4.65	Rating **	C	Issue No.	56
LM End	4.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.429949 °	37.430042 °
				-121.004631 °	-121.004263 °
DWR ID	DWR_RD2063_01_f_2017_56				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	5.68	Rating **	A/W	Issue No.	57
LM End	5.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.419768 °	37.419569 °
				-120.998932 °	-120.998661 °
DWR ID	DWR_RD2063_01_f_2017_57				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	7.48	Rating **	A/W	Issue No.	83
LM End	7.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.404195 °	37.404195 °
				-120.986709 °	-120.986709 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24632					
DS_ID:22110					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: No pipe visible on landside.Flap gate not found on the waterside end. Concrete "U" headwalls not found on ends of pipe.					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Concrete U-shaped headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.61)].					
FS Date: 11/6/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_24632\_43953.jpg



WS view: CMP riser on levee slope. No pipe visible on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	<b>7.48</b>	Rating **	A/W	Issue No.	<b>83 (cont)</b>
LM End	<b>7.48</b>	Issue Type +	Ma	Location *	

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	7.50	Rating **	M	Issue No.	84
LM End	7.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.404130 °	37.404130 °
				-120.986454 °	-120.986454 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:25031  
DS\_ID:22111  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Pump mounted on top of concrete pipe sump not found on the waterside. Concrete standpipe not found on the landward side. Looks abandoned.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 12-inch concrete encased steel drainage discharge pipe through the levee, 7 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe open on both ends. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.62), 10-inch pipe referenced].  
FS Date: 11/6/2013

LM Start	<b>7.50</b>	Rating **	M	Issue No.	<b>84 (cont)</b>
LM End	<b>7.50</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_25031\_45141.jpg



WS view: CMP riser with slide gate. Missing slide gate handwheel.

Photo 2 of 3 : UCIP\_SP\_2018\_25031\_45140.jpg



WS view: steel pipe with open-end on waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	7.50	Rating **	M	Issue No.	84 (cont)	
LM End	7.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.404130 °		37.404130 °
				-120.986454 °		-120.986454 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25031						
DS_ID:22111						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump mounted on top of concrete pipe sump not found on the waterside. Concrete standpipe not found on the landward side.Looks abandoned.						
FIELD_STRUCT_DESC: *ABANDONED* 12-inch concrete encased steel drainage discharge pipe through the levee, 7 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe open on both ends. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.62), 10-inch pipe referenced].						
FS Date: 11/6/2013						

LS view: open-ended steel pipe on levee slope (bottom).



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	85
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397883 °	37.397883 °
				-120.972342 °	-120.972342 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:24651  
DS\_ID:22124  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)  
- working during field inspection.- blocked siphon breaker.  
FIELD\_STRUCT\_DESC: 1 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)].  
FS Date: 11/6/2013

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>85 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_24651\_44005.jpg



WS view: two siphon breakers in CMP risers on levee slope.

Photo 2 of 3 : UCIP\_SP\_2018\_24651\_44004.jpg



WS view: two flap gates on outfall pipe ends.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	86
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397872 °	37.397872 °
				-120.972336 °	-120.972336 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:24652  
DS\_ID:22112  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)  
- working during field inspection.- blocked siphon breaker.  
FIELD\_STRUCT\_DESC: 2 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)].  
FS Date: 11/6/2013

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>86 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_24652\_44008.jpg



WS view: two siphon breakers in CMP risers on levee slope.

Photo 2 of 3 : UCIP\_SP\_2018\_24652\_44007.jpg



WS view: two flap gates on outfall pipe ends.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	86 (cont)	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397872 °	37.397872 °	
				-120.972336 °	-120.972336 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24652 DS_ID:22112 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) - working during field inspection.- blocked siphon breaker. FIELD_STRUCT_DESC: 2 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_24652\_44006.jpg



LS view: pipes under walkway to pump house.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	A/W	Issue No.	87
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397865 °	37.397865 °
				-120.972332 °	-120.972332 °
DWR ID					

Comment Code

Inspector Comment

FS\_ID:24650  
DS\_ID:22113  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)  
Working during field inspection.  
FIELD\_STRUCT\_DESC: [Reclamation District No. 2063 Pumping Plant] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)].  
FS Date: 11/6/2013

LM Start	<b>8.46</b>	Rating **	A/W	Issue No.	<b>87 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_24650\_44002.jpg



WS view: two flap gates on outfall pipe ends.

Photo 2 of 3 : UCIP\_SP\_2018\_24650\_44001.jpg



WS view: two slide gates in CMP risers on levee slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	A/W	Issue No.	87 (cont)
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397865 °	37.397865 °
				-120.972332 °	-120.972332 °
DWR ID					

Comment Code
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Inspector Comment
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FS\_ID:24650  
DS\_ID:22113  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)  
Working during field inspection.  
FIELD\_STRUCT\_DESC: [Reclamation District No. 2063 Pumping Plant] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)].  
FS Date: 11/6/2013

Photo 3 of 3 : UCIP\_SP\_2018\_24650\_44000.jpg



LS view: drainage pipes under walkway in drainage ditch.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	





**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	A/W	Issue No.	88 (cont)
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397850 °	37.397850 °
				-120.972322 °	-120.972322 °
DWR ID					

Photo 3 of 3 : UCIP\_SP\_2018\_24636\_43963.jpg



LS view: drainage pipes under walkway in drainage ditch.

Comment Code					
Inspector Comment					
FS_ID:24636 DS_ID:22125 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) - working during field inspection. FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	9.05	Rating **	A/W	Issue No.	89
LM End	9.05	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390804 °	37.390804 °
				-120.966394 °	-120.966394 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:24638  
DS\_ID:22114  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: Flap gate and concrete "U" headwall not visible due to dense vegetation on waterside.  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate, concrete U-shaped headwall, and 7-foot-long grouted spillway on the waterside (WS) end. Slide gate and concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.21)].  
FS Date: 11/6/2013

LM Start	<b>9.05</b>	Rating **	A/W	Issue No.	<b>89 (cont)</b>
LM End	<b>9.05</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_SP\_2018\_24638\_43967.jpg



WS view: concrete headwall on levee end. Slide gate on pipe end.

Photo 2 of 2 : UCIP\_SP\_2018\_24638\_43966.jpg



WS view: close view of slide gate on pipe end.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	9.50	Rating **	A/W	Issue No.	90	
LM End	9.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.390682 °	37.390682 °	
				-120.958287 °	-120.958287 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51825						
DS_ID:22115						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 04/11/2017 LS inlet has been cleared, as per DWR inspector Richard Willoughby. (K. Fazel - UCIP)11/06/2013 Landside inlet blocked by plywood. (P. Amatya - DWR)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.66)].						
FS Date: 4/11/2017						

LM Start	<b>9.50</b>	Rating **	A/W	Issue No.	<b>90 (cont)</b>
LM End	<b>9.50</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_51825\_77044.jpg



LS inlet as of 4/11/2017 levee inspection. Photo courtesy of DWR inspector Richard Willoughby.

Photo 2 of 3 : UCIP\_SP\_2018\_51825\_43983.jpg



WS view: U type headwall and flap gate visible on the bank of the water channel.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	9.50	Rating **	A/W	Issue No.	90 (cont)	
LM End	9.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.390682 °	37.390682 °	
				-120.958287 °	-120.958287 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51825						
DS_ID:22115						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 04/11/2017 LS inlet has been cleared, as per DWR inspector Richard Willoughby. (K. Fazel - UCIP)11/06/2013 Landside inlet blocked by plywood. (P. Amatya - DWR)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.66)].						
FS Date: 4/11/2017						

Photo 3 of 3 : UCIP\_SP\_2018\_51825\_43982.jpg



LS view: concrete headwall on levee end. Pipe opening blocked by plywood.

LM Start	9.94	Rating **	A/W	Issue No.	91
LM End	9.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390563 °	37.390563 °
				-120.950329 °	-120.950329 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24644 DS_ID:22116 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - not very old structure. FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee and across the drainage ditch on the waterside (WS), 6 feet below the crown. Slide gate and concrete box on the WS end. Concrete box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.11)]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_24644\_43986.jpg



WS view: CM pipe on outlet concrete box.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	<b>9.94</b>	Rating **	A/W	Issue No.	<b>91 (cont)</b>
LM End	<b>9.94</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.390563 °	37.390563 °	
			-120.950329 °	-120.950329 °	
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:24644  
DS\_ID:22116  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: - not very old structure.  
FIELD\_STRUCT\_DESC: 48-inch corrugated metal gravity drainage pipe through the levee and across the drainage ditch on the waterside (WS), 6 feet below the crown. Slide gate and concrete box on the WS end. Concrete box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.11)].  
FS Date: 11/6/2013

LM Start	<b>9.94</b>	Rating **	A/W	Issue No.	<b>91 (cont)</b>
LM End	<b>9.94</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_24644\_43985.jpg



LS view: CM pipe with slide gate on inlet concrete box.

Photo 3 of 3 : UCIP\_SP\_2018\_24644\_43984.jpg



LS view: inside view of slide gate in concrete box.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	9.95	Rating **	M	Issue No.	92
LM End	9.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390572 °	37.390572 °
				-120.950156 °	-120.950156 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24645 DS_ID:22117 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - waterside not accessible.- partially blocked inlet opening on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.12)]. FS Date: 11/6/2013					

Photo 1 of 2 : UCIP\_SP\_2018\_24645\_43988.jpg



WS view: concrete U type headwall on channel bank. Not accessible.

LM Start	<b>9.95</b>	Rating **	M	Issue No.	<b>92 (cont)</b>
LM End	<b>9.95</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_SP\_2018\_24645\_43987.jpg



LS view: concrete headwall and partially blocked inlet opening.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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